QC ABSTRACT

NAME OF WORK: Renovation of Byatarayanapura Joint Commissioner Officer 1st floor Bank Portion Building in ward No. 08, in Kodigehalli Sub Division

SL NO	Item Of Work	Name of Test	Frequency of Test/Quantity	Executed Quantity	Number of Tests Required	Number of Tests Conducted
		Materials				
1	Cement	Fineness by dry sieving	One Test		1	1
		Finess by Air permeablity method	One Test		1	1
		Density	One Test		1	1
		Standard Consistency	One Test		1	1
		Initial Setting time	One Test		1	1
		Final Setting time	One Test		1	1
		Soundness (Le Chatelier's Method)	One Test		1	1
		Compressive Strength	One Test		1	1
2	Vitrified Tiles	Measurements Of Length, Width And Thickness	One Test		1	1
		Water Absorption	One Test		1	1
		Modulus Of Rupture And Breaking Strength	One Test		1	1
3	Mortar Sand	Water Absorption	One Test		1	1
		Specific Gravity	One Test		1	1
		Material finer than 75 micron	One Test		1	1
		Compacted Bulk Density	One Test		1	1
		Loose Bulk Density	One Test		1	1
		SIEVE ANALYSIS	One Test		1	1
4	Plaster Sand	Water Absorption	One Test		1	1
		Specific Gravity	One Test		1	1
		Material finer than 75 micron	One Test		1	1
		SIEVE ANALYSIS	One Test		1	1

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

Scanned by CamScanner

Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 43 Grade

Lab ID	:	**CP-2024-09-06-05** **Date: 11-07-24**
Customer	:	Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.
Address	:	Kodigehalli Sub Division, BBMP, Bangalore.
Project Name	:	Renovation of Byatarayanapura Joint Commissioner Officer 1st floor Bank Portion Building in ward No. 08, in Kodigehalli Sub Division
Agency	:	Sri. Shankar Reddy, No. 18K, No. 370,414,413,18,8, Bhuvaneshwarinagara, Bengaluru -560024.
Customer's Reference	:	BBMP/EE/BTP/WO/01/2024-25
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	08-07-24
Sample Type	:	Birla Super 43grade
Reference to BIS codes	:	IS 269:2015 Ordinary Portland cement Specification , IS 4031 (Part 4,5):1988 IS 4031 Part 1 (RA 2021) DETERMINATION OF FINENESS BY DRY SIEVING, Clause 4.4 IS 4031 Part 2, (RA 2018) Determination of Fineness by Blaine Air Permeability Method, Clause 5 IS 4031 Part 3, (RA 2019) Determination of Soundness, Clause 5, Clause 6 IS 4031 Part 4, (RA 2019) Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 5, (RA 2019) Determination of Initial & Final Setting Time, Clause 5 IS 4031 Part 11, (RA 2019)DETERMINATION OF DENSITY , Clause 6
Date of test	:	09-07-24
Environmental Conditions during test	:	Temperature: 26°C Humidity: 72%

Sl.No.	Physical properties	Results	Requirement as per IS 269:2015
1	Fineness by dry sieving (%)	2.05	_
2	Finess by Air permeablity method (m^2/kg,Min)	296.7	225m^2/kg, Min
3	Density (gm/cc)	3.12	_
4	Standard Consistency (%)	28.5%	Not specified
5	Initial Setting time	135 minutes	Not less than 30 minutes
6	Final Setting time	275 minutes	Not more than 600 minutes
7	Soundness (Le Chatelier's Method)	1mm	Not more than 10 mm

* The results obtained are satisfactory as per standard requirements.

Note:

The results pertain to the samples received and tested.

All information furnished by Agency/Representative

Any correction in the report will make this report invalid

This report without prior written approval should not be reproduced or published in full or part.

Samples will be disposed after 30 days from the date of issue of test certificate

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

Scanned by CamScanner

Format No: CP/TF/01

TEST REPORT OF PHYSICAL PROPERTIES OF CEMENT - 43 Grade

Lab ID	:	**CP-2024-09-06-05** **Date: 06-08-24**
Customer	:	Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.
Address	:	Kodigehalli Sub Division, BBMP, Bangalore.
Project Name	:	Renovation of Byatarayanapura Joint Commissioner Officer 1st floor Bank Portion Building in ward No. 08, in Kodigehalli Sub Division
Agency	:	Sri. Shankar Reddy, No. 18K, No. 370,414,413,18,8, Bhuvaneshwarinagara, Bengaluru -560024.
Customer's Reference	:	BBMP/EE/BTP/WO/01/2024-25
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	08-07-24
Sample Type	:	Birla Super 43grade
Reference to BIS codes	:	IS 269:2015 Ordinary Portland cement Specification , IS 4031 (Part 4,5):1988 IS 4031 Part 4, (RA 2019) Determination of Consistency of Standard Cement Paste, Clause 5 IS 4031 Part 6, (RA 2019) Determination of Compressive Strength, Clause 6
Date of test	:	09-07-24
Environmental Conditions during test	:	Temperature: 26°C Humidity: 72%

Compressive Strength

Sl.No.	Physical properties	Results	Requirement as per IS 269:2015
1	3 Days	25.1N/mm^2	Not less than 23 N/mm^2
2	7 Days	35.6N/mm^2	Not less than 33 N/mm^2
3	28 Days	45.2N/mm^2	Not less than 43 N/mm^2

* The results obtained are satisfactory as per standard requirements.

Note:

The results pertain to the samples received and tested.
All information furnished by Agency/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 30 days from the date of issue of test certificate

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.
R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

Scanned by CamScanner

Format No: CP/TF/2017

TEST REPORT FOR SAND MASONRY MORTARS

Lab ID	:	**CP-2024-09-06-05** **Date: 11-07-24**
Customer	:	Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.
Address	:	Kodigehalli Sub Division, BBMP, Bangalore.
Project Name	:	Renovation of Byatarayanapura Joint Commissioner Officer 1st floor Bank Portion Building in ward No. 08, in Kodigehalli Sub Division
Agency	:	Sri. Shankar Reddy, No. 18K, No. 370,414,413,18,8, Bhuvaneshwarinagara, Bengaluru -560024.
Customer's Reference	:	BBMP/EE/BTP/WO/01/2024-25
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	08-07-24
Sample Type	:	Fine Aggregate, M.Sand for Mortar
Reference to BIS codes	:	IS 383 : 2016 (Specification for Coarse and fine Aggregates) IS: 2116-1980 (RA-2007) (Specification for Sand for Masonry Mortars) IS: 2386 :1963(Part - 1, 3) RA2021 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption
Date of test	:	08-07-24
Total weight taken	:	1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS: 2116-1980 (RA-2007)
1	4.75 mm	0	0	0	100	100
2	2.36 mm	85	85	8.5	91.5	90-100
3	1.18 mm	200	285	28.5	71.5	70-100
4	600 micron	146	431	43.1	56.9	40-100
5	300 micron	116.5	547.5	54.8	45.3	5-70
6	150 micron	412.5	960	96.0	4.0	0-15
7	Pan	40	1000	100.0	0.0	0

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

CIVIL Pro
Sig.....
Date.....
BANGALORE

Scanned by CamScanner

TEST REPORT FOR SAND MASONRY MORTARS

Lab ID : **CP-2024-09-06-05** **Date: 11-07-24**

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS 383:2016
1	Water Absorption(%)	3.18	–
2	Specific Gravity	2.51	–
3	Material finer than 75 micron(%)	12.2	Crushed Fine aggregate Max 15%
4	Compacted Bulk Density (Kg/litre)	1.90	–
5	Loose Bulk Density (Kg/litre)	1.73	–

* The results obtained are satisfactory as per standard requirements.

Note:

The results pertain to the samples received and tested.
All information furnished by Agency/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 30 days from the date of issue of test certificate

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

Scanned by CamScanner

Format No: CP/TF/2017

TEST REPORT FOR PLASTER SAND

Lab ID	:	**CP-2024-09-06-05** **Date: 12-07-24**
Customer	:	Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.
Address	:	Kodigehalli Sub Division, BBMP, Bangalore.
Project Name	:	Renovation of Byatarayanapura Joint Commissioner Officer 1st floor Bank Portion Building in ward No. 08, in Kodigehalli Sub Division
Agency	:	Sri. Shankar Reddy, No. 18K, No. 370,414,413,18,8, Bhuvaneshwarinagara, Bengaluru -560024.
Customer's Reference	:	BBMP/EE/BTP/WO/01/2024-25
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	08-07-24
Sample Type	:	Plaster Sand
Reference to BIS codes	:	IS: 383 : 2016 (Specification for Coarse and fine Aggregates) IS1542:1992 (RA 2019) (Sand for Plaster - Specification) IS: 2386 :1963(Part - 1, 3) RA2021 IS 2386 Part 1: Particle Size and Shape IS 2386 Part 3: Specific gravity, Density, Voids,Water Absorption
Date of test	:	08-07-24
Total weight taken	:	1000 grams

Sl.no	Sieve Size	Weight Retained (gms)	Cumulative Weight Retained (gms)	% Cumulative Weight Retained	% Passing	Requirement as per IS 1542:1992
1	10 mm	0	0	0	100	100
2	4.75 mm	35	35	3.5	96.5	95-100
3	2.36 mm	13	48	4.8	95.2	95-100
4	1.18 mm	47	95	9.5	90.5	90-100
5	600 micron	102	197	19.7	80.3	80-100
6	300 micron	210	407	40.7	59.3	20-65
7	150 micron	508	915	91.5	8.5	0-15
8	Pan	85	1000	100	0	---

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

CIVIL Pro
Sig.....
Date.....
BANGALORE

Scanned by CamScanner

TEST REPORT OF FINE AGGREGATE

Lab ID : **CP-2024-09-06-05** **Date: 12-07-24**

PHYSICAL PROPERTIES

Sl.no	Tests	Result	Requirements as per IS 383:2016
1	Water Absorption(%)	1.8	–
2	Specific Gravity	2.56	–
3	Material finer than 75 micron(%)	8.5	Uncrushed fine Aggregate Max 3%, Crushed Fine aggregate Max 15%, Mixed Fine aggregate Max 12%, Manufactured Fine aggregate Max 10%

* The results obtained are satisfactory as per standard requirements.

Note:

The results pertain to the samples received and tested.
All information furnished by Agency/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 30 days from the date of issue of test certificate

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.

R KARTHIK RECHAN
Authorized Signatory
Quality Manager

****End of Report****

Scanned by CamScanner

Format No: CP/TF/01

TEST REPORT OF VITRIFIED TILES

Lab ID	:	**CP-2024-09-06-05** **Date: 11-07-24**
Customer	:	Assistant Executive Engineer, Kodigehalli Sub Division, BBMP, Bangalore.
Address	:	Kodigehalli Sub Division, BBMP, Bangalore.
Project Name	:	Renovation of Byatarayanapura Joint Commissioner Officer 1st floor Bank Portion Building in ward No. 08, in Kodigehalli Sub Division
Agency	:	Sri. Shankar Reddy, No. 18K, No. 370,414,413,18,8, Bhuvaneshwarinagara, Bengaluru -560024.
Customer's Reference	:	BBMP/EE/BTP/WO/01/2024-25
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	08-07-24
Sample Type/ Size	:	Vitrified tiles (600X600)mm
Reference to BIS codes	:	IS 13630 (Part 1) : 2019, IS 15622:2017(RA 2022)
Date of test	:	08-07-24

MEASUREMENTS OF LENGTH, WIDTH AND THICKNESS

Number Of Specimen	Length measured at position 5mm from the corner		Breadth measured at position 5mm from the corner		Thickness measured at thickest part, 4 diagonal segment			
	1	2	1	2	1	2	3	4
1	600	600	600	600	10.04	10.01	10.08	10.04
2	600	600	600	600	10.01	10.07	10.01	10.01
3	600	600	600	600	10.03	10.05	10.06	10.03
4	600	600	600	600	10.06	10.05	10.08	10.06
5	600	600	600	600	10.08	10.06	10.05	10.08
6	600	600	600	600	10.03	10.07	10.07	10.07
7	600	600	600	600	10.08	10.05	10.08	10.07
8	600	600	600	600	10.02	10.05	10.04	10.05
9	600	600	600	600	10.04	10.04	10.02	10.04
10	600	600	600	600	10.04	10.01	10.05	10.04
Average	**600**		**600**		**10.05**			

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

CIVIL Pro
Sig.....
Date.....
BANGALORE

Scanned by CamScanner

Format No: CP/TF/01

TEST REPORT OF VITRIFIED TILES

Lab ID : **CP-2024-09-06-05** **Date: 11-07-24**

WATER ABSORPTION

Sl.no	Weight of oven dry sample	Saturated weight of sample	Water absorption by mass	Percentage of Average value of water absorption	Requirement as per IS 15622-2017
1	1406	1407	0.07	0.07	Average ≤ 0.08 % Individual 0.1, Max (Group B I A)
2	1424	1425	0.07		
3	1464	1465	0.07		
4	1408	1409	0.07		
5	1434	1435	0.07		

MODULUS OF RUPTURE AND BREAKING STRENGTH

Sl.No.	Dimension (mm)			Wet Transverse Strength	Average	Requirement as per IS 15622-2017
	L	B	T	(N/mm^2)	(N/mm^2)	
1	600	600	10.04	36.0	36.7	Average 35N/mm^2 , Individual 32N/mm^2 , Min (Group B I A)
2	600	600	10.06	37.1		
3	600	600	10.02	36.4		
4	600	600	10.06	37.0		
5	600	600	10.05	37.2		

* The results obtained are satisfactory as per standard requirements.

Note:

The results pertain to the samples received and tested.
All information furnished by Agency/Representative
Any correction in the report will make this report invalid
This report without prior written approval should not be reproduced or published in full or part.
Samples will be disposed after 30 days from the date of issue of test certificate

CIVIL Pro Sig..... Date..... BANGALORE

FOR CIVIL Pro.
R KARTHIK RECHAN
Authorized Signatory
Quality Manager

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

End of Report

Scanned by CamScanner